

**ABSTRACT**

An optical therapy device has an optical fiber having a coaxial structure including at least a core to be provided as a center thereof, a clad that covers the outer periphery of the core, and a protective layer that covers the outer periphery of the clad. At a tip portion of the optical fiber, a part of the protective layer is removed to expose the clad. The optical fiber is arranged on the tip of the laser therapy apparatus. Furthermore, the tip portion of the optical fiber is brought into contact with a titanium compound, or the titanium compound is applied on an affected part of a patient, followed by irradiating a laser beam on the affected part.